



IFW

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: 2/3/06

Signature: *Christine M. Colbert*

(Christine M. Colbert)

Docket No.: SUPP-P01-011  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Blau et al.

Application No.: 10/688747

Confirmation No.: 1982

Filed: October 16, 2003

Art Unit: 1632

For: METHODS FOR TREATING DISORDERS  
OF NEURONAL DEFICIENCY WITH BONE  
MARROW-DERIVED CELLS

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark Office has waived this requirement for all U.S. patent applications. Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information


as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

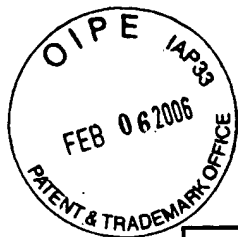
The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 18-1945, under Order No. SUPP-P01-011.

Dated: February 3, 2006

Respectfully submitted,

By   
John D. Quisel

Registration No.: 47,874  
ROPES & GRAY LLP  
One International Place  
Boston, Massachusetts 02110-2624  
(617) 951-7000  
(617) 951-7050 (Fax)  
Attorneys/Agents For Applicant



PTO/SB/08a/b (07-05)  
Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>Substitute for form 1449A/B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/688747
				Filing Date	October 16, 2003
				First Named Inventor	Helen M. Blau
				Art Unit	1632
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	SUPP-P01-011
Sheet	1	of	3		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	US-5,187,193	02-16-93	Borch et al.	
	AB	US-5,541,107	07-30-96	Naughton et al.	
	AC	US-5,843,438	12-01-98	Papayannopoulou	
	AD	US-5,925,568	07-20-99	Comer et al.	
	AE*	US-6,071,889	06-06-00	Weiss et al.	
	AF*	US-2002/0146821	10-10/02	Sanchez-Ramos et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup>	Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	CA	Ambler, M.W. et al., "Infantile Osteopetrosis and Neuronal Storage Disease," <i>Neurology</i> 33(4):437-441 (1983).		
	CB	Anderlini et al., "The Use of Mobilized Peripheral Blood Stem Cells from Normal Donors for Allografting," <i>Stem Cells</i> 15:9-17 (1997)		
	CC	Ausubel et al., "Current Protocols in Molecular Biology, John Wiley and Sons, Inc. New York, pp. 1-11 (Tables of Contents) (1987)		
	CD	Baker et al., "The Development of a Seizure Severity Scale as an Outcome Measure in Epilepsy," <i>Epilepsy Res.</i> 8(3):245-251 (1991)		
	CE	Braxelton et al., "From Marrow to Brain: Expression of Neuronal Phenotypes in Adult Mice," <i>Science</i> 290(5497):1775-1779 (2000)		
	CF	Chao et al., "Granulocyte Colony-Stimulating Factor 'Mobilized' Peripheral Blood Progenitor Cells Accelerate Granulocyte and Platelet Recovery after High-Dose Chemotherapy," <i>Blood</i> 81(8):2031-2035 (1993)		
	CG	Chen et al., "Therapeutic Benefit of Intravenous Administration of Bone Marrow Stromal Cells After Cerebral Ischemia In Rats" <i>Stroke</i> , 32(4):1005-1011 (2001)		
	CH	Duncan et al., "The Chalfont Seizure Severity Scale," <i>J. Neurol. Neurosurg. Psychiatry</i> 54(10):873-876 (1991)		
	CI	Eglitis et al., "Hematopoietic Cells Differentiate into Both Microglia and Macrogia in the Brains of Adult Mice," <i>Proc. Natl. Acad. Sci. USA</i> 94(8):4080-4085 (1997)		
	CJ	Freshney Animal Cell Culture, a Practical Approach, IRL Press: Oxford, pp. vii-xiii (Table of Contents) (1986)		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				Application Number	10/688747
				Filing Date	October 16, 2003
				First Named Inventor	Helen M. Blau
				Art Unit	1632
				Examiner Name	Not Yet Assigned
Sheet	2	of	3	Attorney Docket Number	SUPP-P01-011

CK	Gage et al., "Grafting Genetically Modified Cells to the Brain: Possibilities for the Future," <i>Neuroscience</i> 23(3):795-807 (1987)	
CL	Graham et al., "Greenfield's Neuropathology, Sixth Edition, Oxford University Press: New York pp. v-xiii (Table of Contents) (1997)	
CM	Gussoni et al., "Dystrophin Expression in the mdx mouse Restored by Stem Cell Transplantation," <i>Nature</i> 401(6751):390-394 (1999)	
CN	Harada et al., "Granulocyte Colony-Stimulating Factor-Induced Mobilization of Peripheral Blood Stem Cells for Autologous and Allogeneic Transplantation," <i>Cancer Chemother. Pharmacol.</i> 38(Supp):S115-S119 (1988)	
CO	Harlow et al., "Antibodies: A Laboratory Manual, Cold Spring Harbor Laboratory: New York pp. iii-ix (Table of Contents) (1988)	
CP	Hess et al., "Bone Marrow as a Source of Endothelial Cells and NeuN-Expressing Cells After Stroke" <i>Stroke</i> , 33(5):1362-1368 (2002)	
CQ	Howell et al., "Natural Bone Marrow Transplantation in Cattle with Pompe's Disease," <i>Neuromuscul. Disord.</i> 1(6):449-454 (1991)	
CR	Kennedy et al., "Kinetics of Central Nervous System Microglial and Macrophage Engraftment: Analysis Using a Transgenic Bone Marrow Transplantation Model," <i>Blood</i> 90(3):986-993 (1997)	
CS	Korbling "Collection of Allogeneic Peripheral Blood Stem Cells," <i>Bailliere's Clinical Haematology</i> 12(4):41-55 (1999)	
CT	Krivit et al., "Bone Marrow Transplantation for Globoid Cell Leukodystrophy, Adrenoleukodystrophy, Metachromatic Leukodystrophy, and Hurler Syndrome," <i>Curr. Opin. Hematol.</i> 6(6):377-382 (1999)	
CU	Kronenwett et al., "The Role of Cytokines and Adhesion Molecules for Mobilization of Peripheral Blood Stem Cells," <i>Stem Cells</i> 18:320-330 (2000)	
CV	McPherson et al., PCR 2: A Practical Approach, IRL Press: Oxford, pp. ix-xvii. (Table of Contents) (1995)	
CW	Neito-Sampedro et al., "Injury-Induced Neuronotrophic Activity in Adult Rat Brain: Correlation with Survival of Delayed Implants in the Wound Cavity" <i>J Neurosci.</i> 3(11):2219-2229 (1983)	
CX	Petersen et al., "Bone Marrow as a Potential Source of Hepatic Oval Cells," <i>Science</i> 284(5417):1168-1170 (1999)	
CY	Pourcher et al., "Field Testing of an Ataxia Scoring and Staging System," <i>Can. J. Neurol. Sci.</i> 7(4):339-344 (1980)	
CZ	Sadock et al., "Kaplan and Sadock's Comprehensive Textbook of Psychiatry, Volume 1, Lippincott Williams and Wilkins: Philadelphia, pp. vii-xviii (Table of Contents) (2000)	
CA1	Sambrook et al., "Molecular Cloning: A Laboratory Manual, second edition, Cold Spring Harbor Laboratory Press: New York, pp. xi-xxxviii. (Table of Contents) (1989)	
CB1	Sanchez-Ramos et al., "The X-gal Caution in Neural Transplantation Studies" <i>Cell Transplantation</i> 9:657-667 (2000)	
CC1	Scherer et al., "Human Dopa Decarboxylase: Localization to Human Chromosome 7p11 and Characterization of Hepatic cDNAs," <i>Genomics</i> 13(2):469-471 (1992)	
CD1	Six et al., "Beneficial Effect of Pharmacological Mobilization of Bone Marrow in Experimental Cerebral Ischemia" <i>Eur J Pharmacol.</i> 458(3):327-328 (2003)	
CE1	Tabbara et al., "The Role of Granulocyte Colony-Stimulating Factor in Hematopoietic Stem Cell Transplantation," <i>Cancer Investigation</i> 15(4):353-357 (1997)	
CF1	Takahashi et al., "Infantile Osteopetrosis Complicating Neuronal Ceroid Lipofuscinosis," <i>Pathol. Res. Pract.</i> 186:697-706 (1990)	
CG1	Wolff et al., "Grafting Fibroblasts Genetically Modified to Produce L-dopa in a Rat Model of Parkinson Disease," <i>Proc. Natl. Aca. Sci. USA</i> 86(22):9011-9014 (1989)	
Examiner Signature		Date Considered

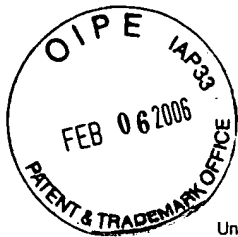
Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/688747
				Filing Date	October 16, 2003
				First Named Inventor	Helen M. Blau
				Art Unit	1632
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	SUPP-P01-011
Sheet	3	of	3		

	CH1	Burt et al., "Effect of Disease Stage on Clinical Outcome After Syngeneic Bone Marrow Transplantation for Relapsing Experimental Autoimmune Encephalomyelitis," <i>Blood</i> 91(7):2609-2616 (1998)	
	CI1	Donovan and Gearheart, "The End of the Beginning for Pluripotent Stem Cells," <i>Nature</i> 414:92-97 (2001)	
	CJ1	Weissman "Translating Stem and Progenitor Cell Biology to the Clinic: Barriers and Opportunities," <i>Science</i> 287:1442-1446 (2000)	
	CK1	Game et al., "Rejection Mechanisms in Transplantation," <i>Wiener Klinische Wochenschrift</i> 113:832-838 (2001)	
	CL1	Galvin and Jones "Adult Human Neural Stem Cells for Cell-Replacement Therapies in the Central Nervous System," <i>MJA</i> 177(6):316-318 (2002)	
	CM1	Sugaya "Neuroreplacement Therapy and Stem Cell Biology Under Disease Conditions," <i>CMLS</i> 60:1891-1902 (2003)	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Application No. (if known): 10/688747

Attorney Docket No.: SUPP-P01-011

## Certificate of Mailing under 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

on February 3, 2006  
Date

  
Signature

Christine M. Colbert  
Typed or printed name of person signing Certificate

Registration Number, if applicable (617) 951-7685  
Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

IDS & PTO Form SB/08 (45 References) (5 pages)  
Copies of References (CA-CM1)  
This postcard receipt